



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Chan-Soo HWANG et al.

Group Art Unit: 2681

Serial No.: 10/692,894

Docket: 678-1236

Filed: October 24, 2003

Dated: February 26, 2004

For: TRANSMITTER AND RECEIVER PROVIDED
IN WIRELESS COMMUNICATION SYSTEM
USING FOUR TRANSMITTING ANTENNAS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

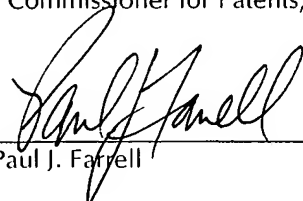
Pursuant to Applicants' duty of disclosure, the information listed in the attached form PTO-1449 is brought to the attention of the Examiner. A copy of each reference is attached hereto.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 26, 2004.

Dated: February 26, 2004


Paul J. Farrell



The filing of this Information Disclosure Statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

To the best of Applicants' knowledge, this Information Disclosure Statement is being filed before the date of mailing of a first Office Action in connection with this case.

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,

Paul J. Farrell

Reg. No. 33,494

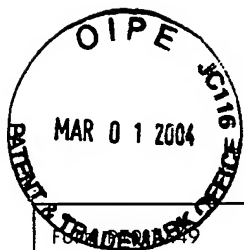
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Sheet 1 of 1

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
678-1236SERIAL NO.
10/692,894INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANTS
Chan-Soo HWANG et al.FILING DATE
October 24, 2003GROUP ART UNIT
2681

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		1.-	Vahid Tarokh et al., "Space-Time Block Codes From Orthogonal Designs", IEEE Transactions on Information Theory, Vol. 45, No. 5, July 1999, pp. 1456-1467.
		2.-	Siavash M. Alamouti, "A Simple Transmit Diversity Technique for Wireless Communications," IEEE Journal on Select Areas in Communications, Vol. 16, No. 8, October 1998, pp. 1451-1458.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])